



City of Loveland





- Sign inventory
- Asset management
- Property reporting
- More







City of Greeley

GIS & Social Media

Don't turn away, take advantage!

GIS is at its core the infusion of data streams to make an intelligent decision. So why limit your data streams as a GIS professional.

Six questions to ask yourself if you are not already using Twitter;

But first, Why are you not using Twitter?

- Silly, I can't keep up with what I need to know now
- Takes too much time, I don't understand it, I don't have anything to say
- Nobody I know does it, I don't see how it can help my work
- It's a security risk, I don't know who to follow.

Any of those fit you?

And do your reasons out weight your answer to the following....





City of Greeley

• Stage 1 : Ridicule.

•The management initially think these technologies are silly. Policy conversations are limited passed off as a 'fad'.

• Stage 2 : Control.

•The management grow concerned about abuse of the technology and work to control access at an agency level. Policy becomes defined by security and miss-understanding.

• Stage 3 : One Way Street.

•The management approves use of social media as a one way street for advertising, promotion, and information to a limited set of staff. Policy is adjusted for limited use with no access by individual employees.

Stage 4 : Experimentation.

•The management begins to experiment with the technology themselves and find positive aspects. Policy is adjusted further to begin to allow access by individual employees with strict justification guidelines per employee, signed by supervisors.

• Stage 5 : Dedication.

•Management wonders how the organization could function without the technology. Policy is open for the use of the technology with guidelines for supervisors on how to administer employees use, specific disclaimers are created, and standards.

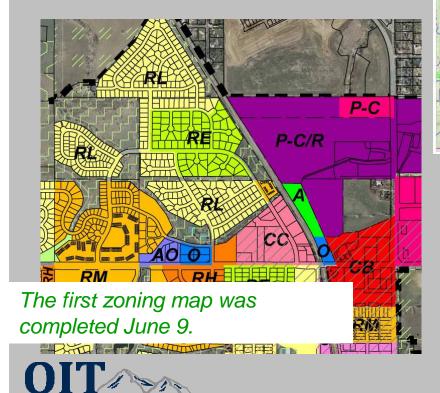


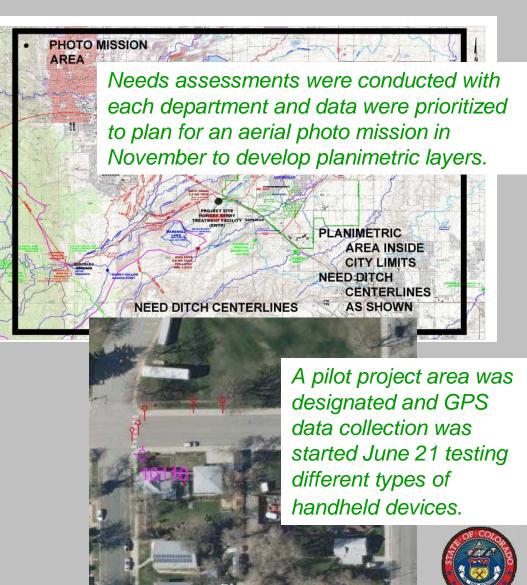




City of Louisville

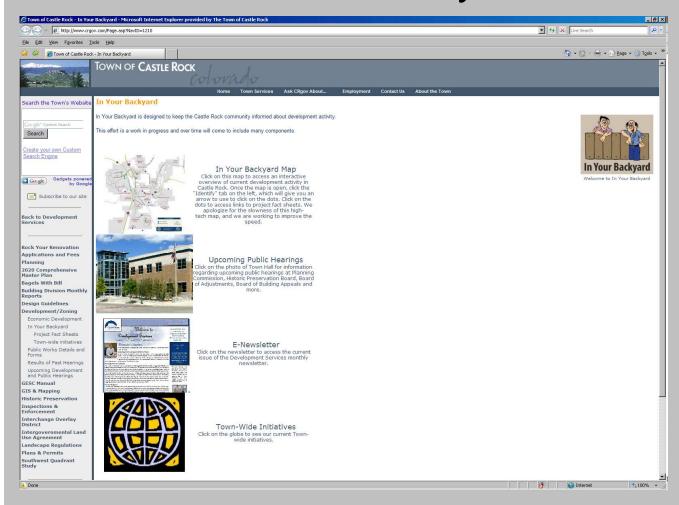
On May 4, 2009, the City of Louisville began developing their first Geographic Information System.





Town of Castle Rock

In Your Backyard Main Page

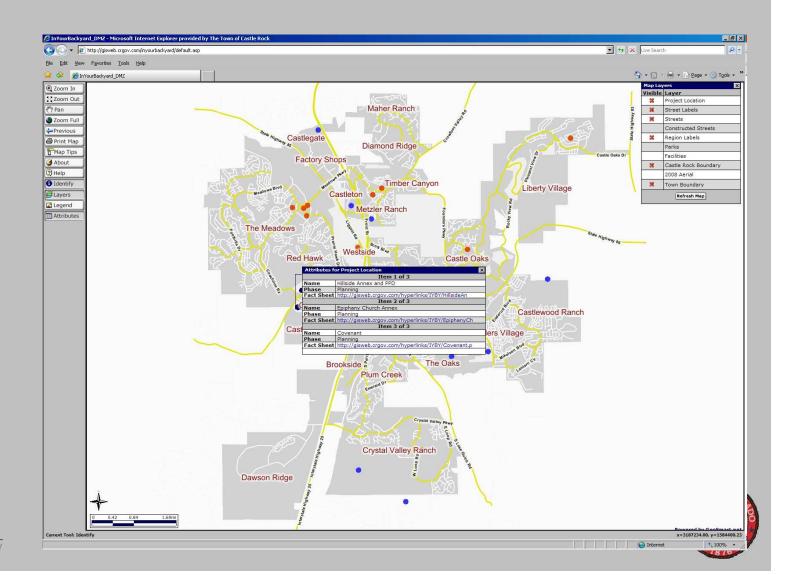






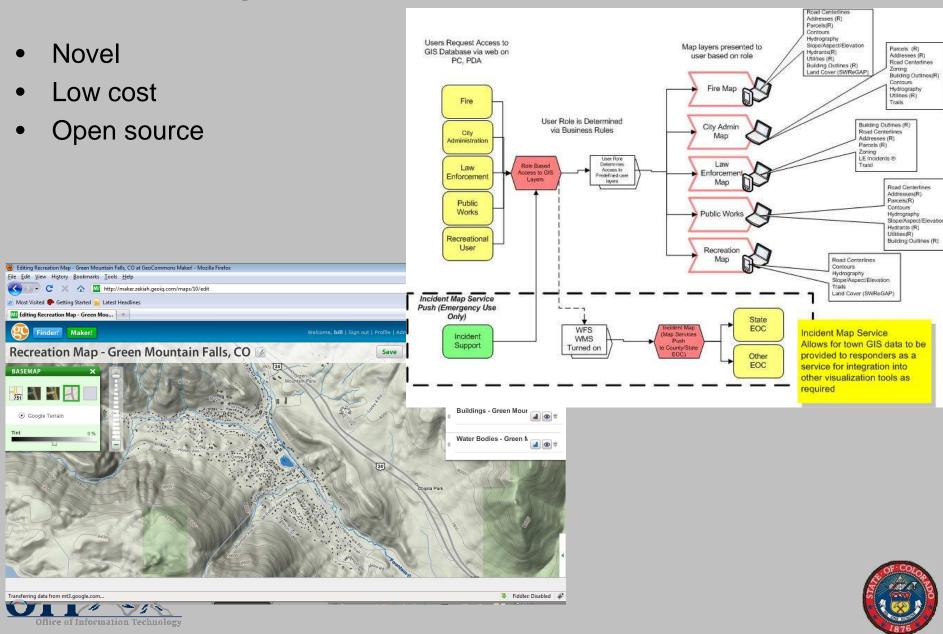
Town of Castle Rock

In Your Backyard Main Page

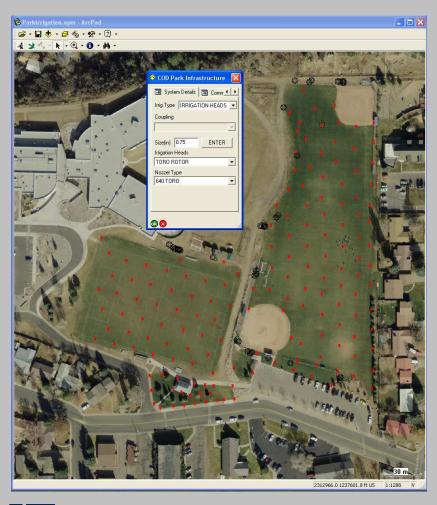




Green Mountain Falls



City of Durango

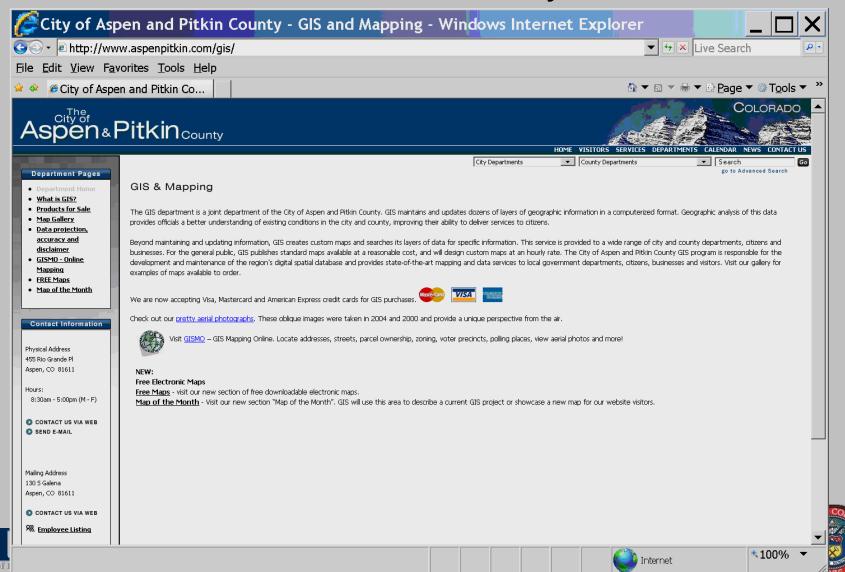


 Deploying custom applications of ArcPad on Trimble GPS units, the City of Durango is taking GIS to a micro scale by mapping irrigation valves, controllers, and sprinkler heads at all city parks and public buildings.





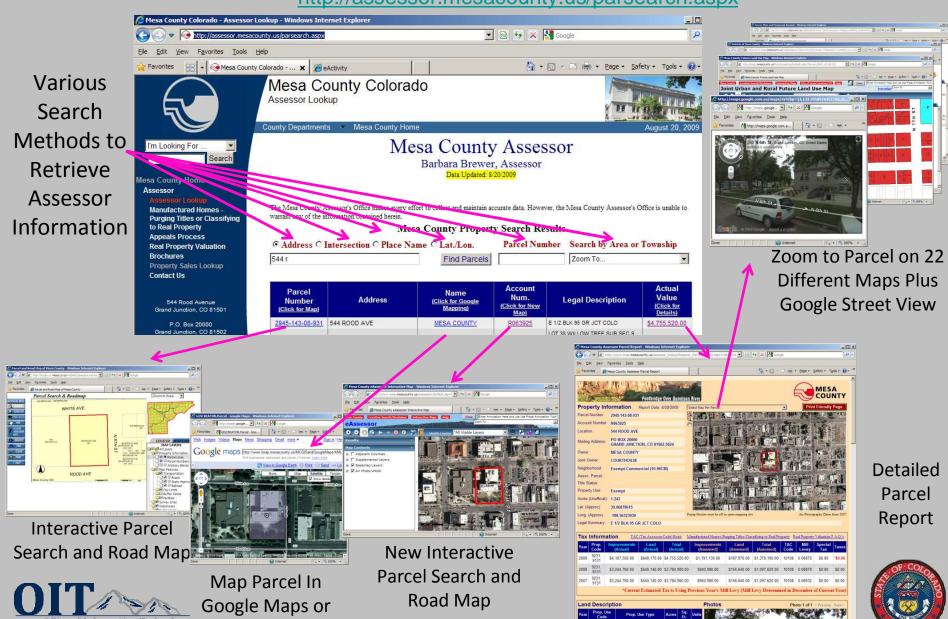
Aspen & Pitkin County Customer Survey





Mesa County Assessor Lookup

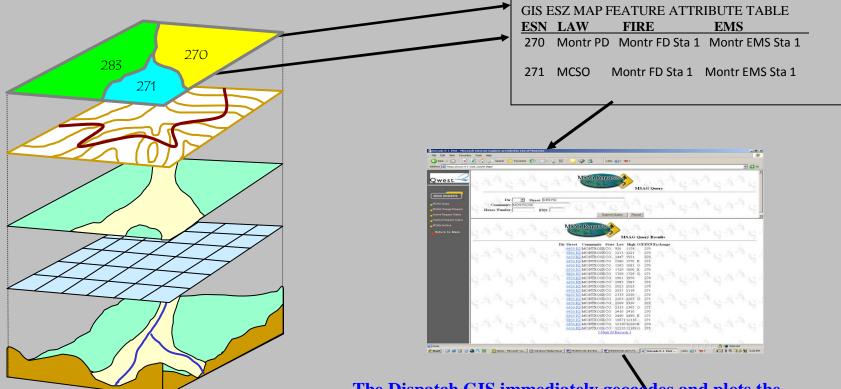
http://assessor.mesacounty.us/parsearch.aspx



Google Earth



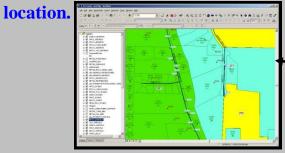
Montrose E911



Law, Fire, and EMS service boundaries are based on roads, topography, waterways, sections, etc. New information is created from the base information when Emergency Service Zones are extracted as geographic intersections of the mapped service boundaries.

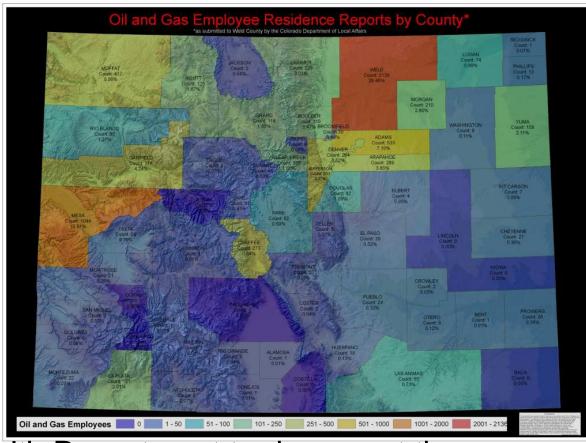


The Dispatch GIS immediately geocodes and plots the wireline 911 call's address, or plots the wireless call's coordinates. An auto-zoom in the GIS reveals the caller's



Weld County

- Processed Oil and Gas Employee Residence reports resulting in a significant return on investment
- Created Dynamic Travel Time Polygons for Weld County Paramedic Services

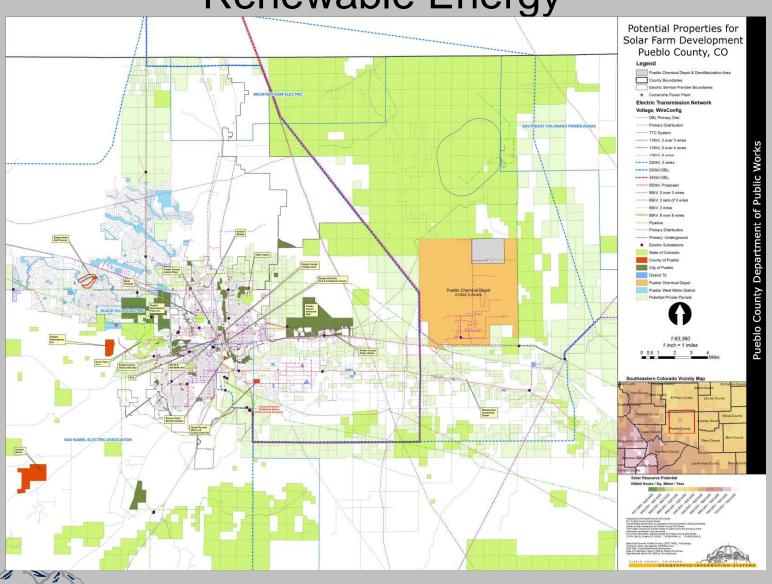


- Working with the Health Department to document the relationship between schools and tobacco retailers
- Developing a Property Portal that will simplify access to public land-based information



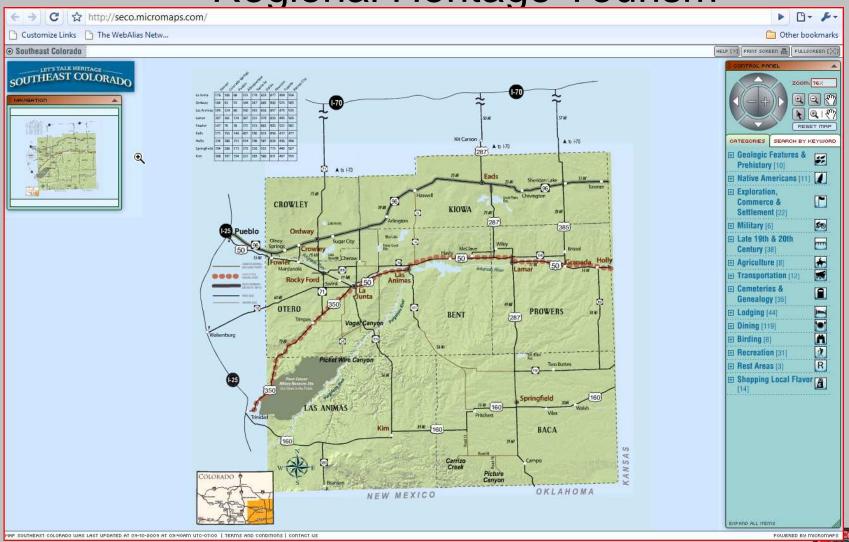


Pueblo County Renewable Energy





Prowers County Regional Heritage Tourism





LiDAR Collection Rural Resort Area

Project Description

- 570 square miles of LiDAR and large format digital camera (DMC) collection.
- Consortium comprised of 26 separate sub areas
- LiDAR, 0.5' pixel digital orthos, 2' contours, planimetric capture

Description of Consortium Players

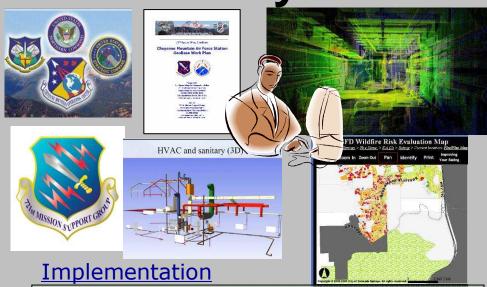
- 8 Town Governments
- 2 Counties (Summit and Eagle)
- 9 Metro Districts
- 5 Private Landowners
- EPA
- Denver Water Board
- Consortium is managed by North Line GIS and acquisition / mapping provided by Merrick & Company







GeoBase and Cheyenne Mountain AFS



Meet Air Force Requirements

•CIP, Fire, Real Property and Environmental GIS Requirements

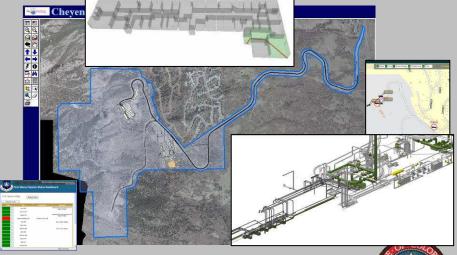
Integrated GIS/CAD/BIM

- Meet Installation AT/FP Requirements
- •Locate and maintain complex infrastructures
- Reduce costs of operation with records

Principle Requirements

Assure Tenant Operations

- Communications and power
- Facilities Management (floorplans)
 GIS/BIM for Cheyenne Mountain
- Security for Cheyenne Mountain Operations
- Account for/visualize critical infrastructure
- Provide efficient, timely operations support

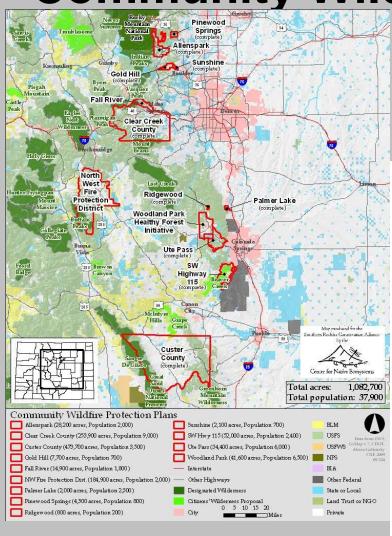


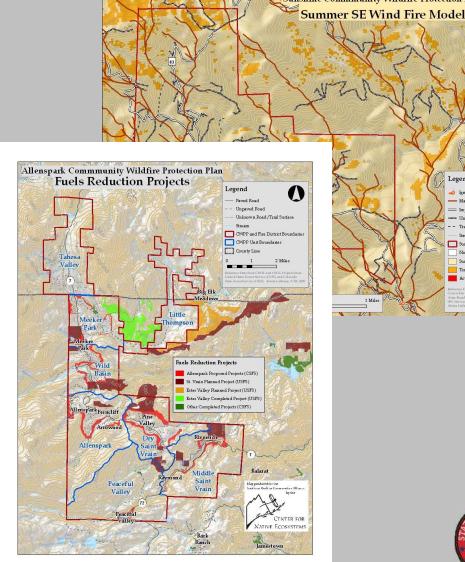




Center for Native Ecosystems & So. Rockies Cons. Alliance

Community Wildfire Protection Plans







Major Fire Paths

Sunshine CWPP

Surface Fire
Torching Fire



- Dr. Joseph Berry Berry & Associates / CSU
- Larry Brazil and Tim Martin Riverside Technology
- Ron Brush New Century SW/ RealGIS
- Russ Cowart i-cubed
- Peter Curtis ESRI- Commercial
- Mike Freeman City of FtC
- Craig Harrison Harrison Resource Corp
- Neil Havermale Red Hen
- Brian Sullivan City of Greeley
- Steve Holmes City of Loveland
- Bruce Biggi Carta Group City of Greeley
- Glenn Vlass Spatial Data Technologies/CartoPac
- Kelly Peters RMI2
- Scott Simmons Technigraphics

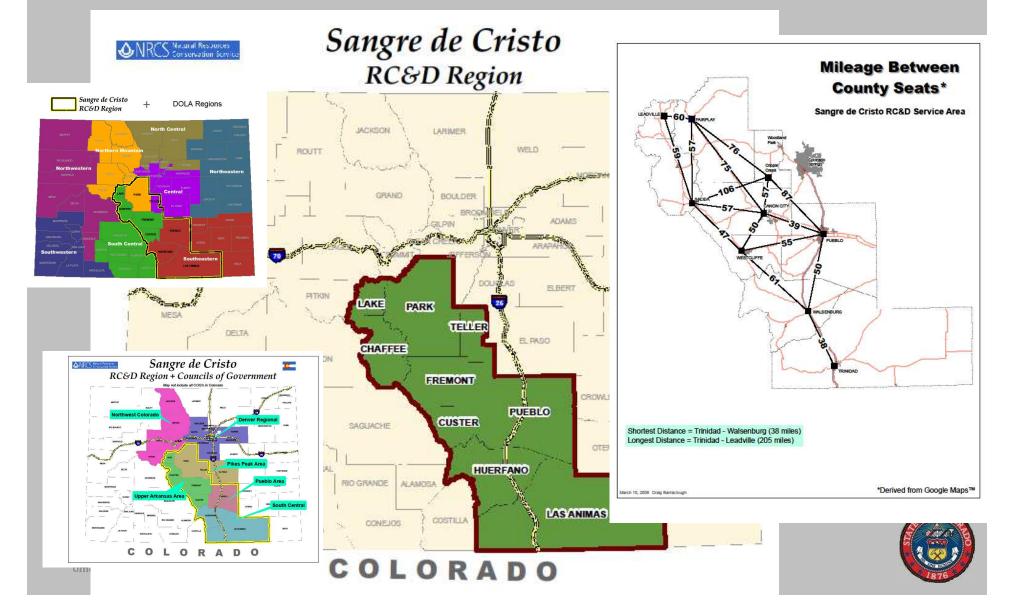


- Networking events
- Roundtable discussions
- Guest speakers
- Strategic plan/Branding of Cluster/logo
- Joint projects
- Grant proposals
- Promotion of industry, companies, technologies
- Dave Bouwman Data Transfer Solutions
- Sam Solt Clear Path Labs
- Randy Paffenroth Numerica
- Jon Lang Production Engineering
- Ryan Smith ESC Engineering
- Eric Strand Synergetics
- Glenn Lathem
- Michael Seusy John Deere
- Melinda Lauteuri CSU

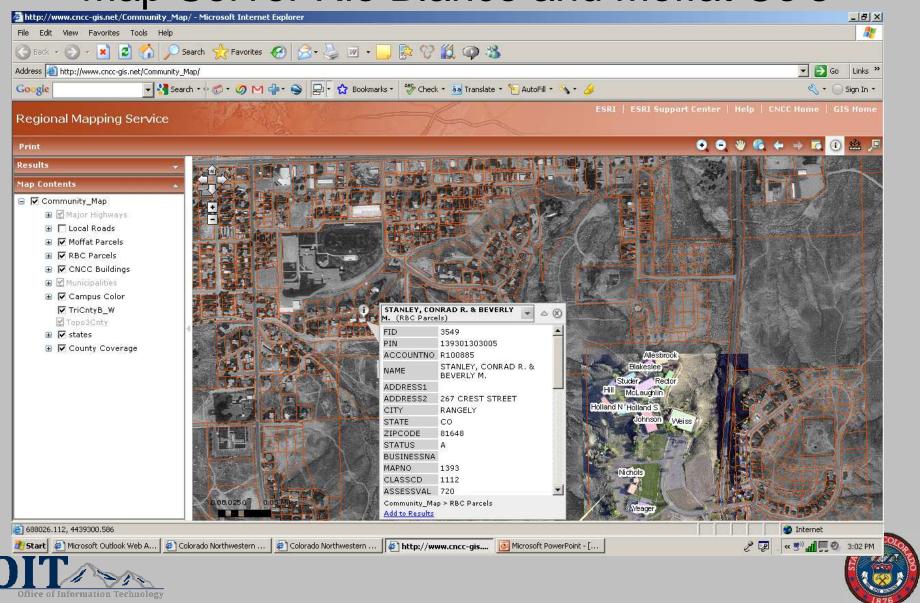


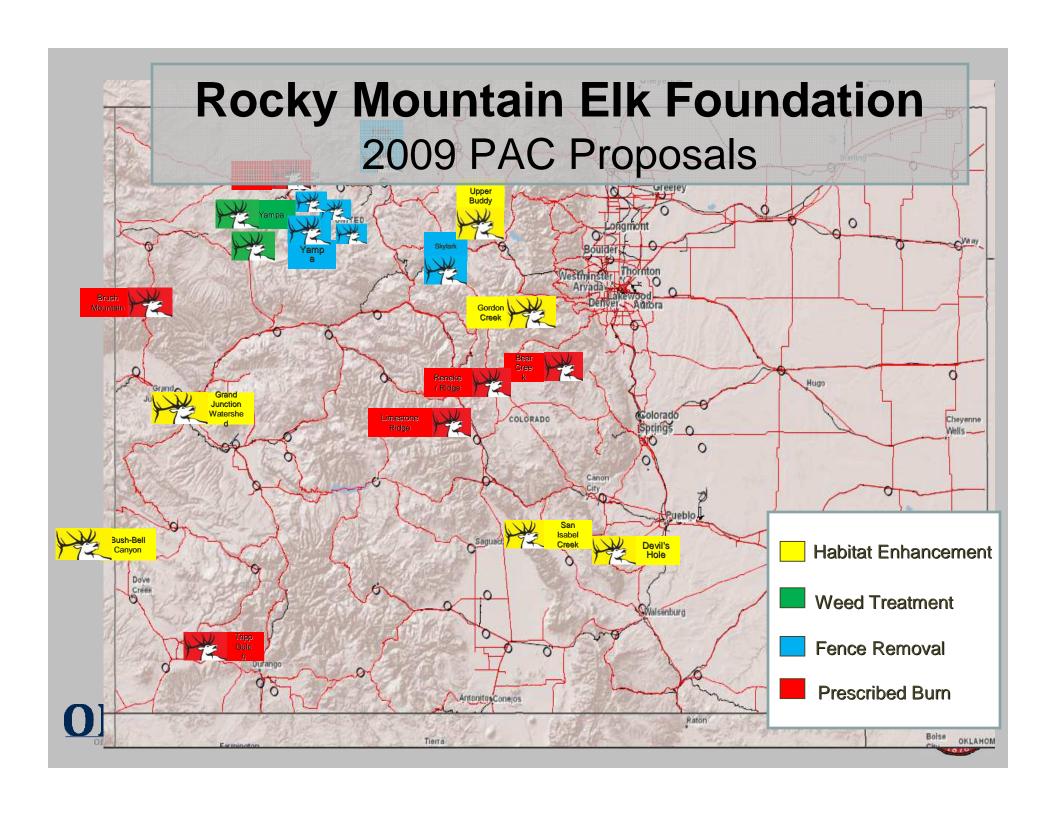


Sangre de Cristo Resource Conservation & Development

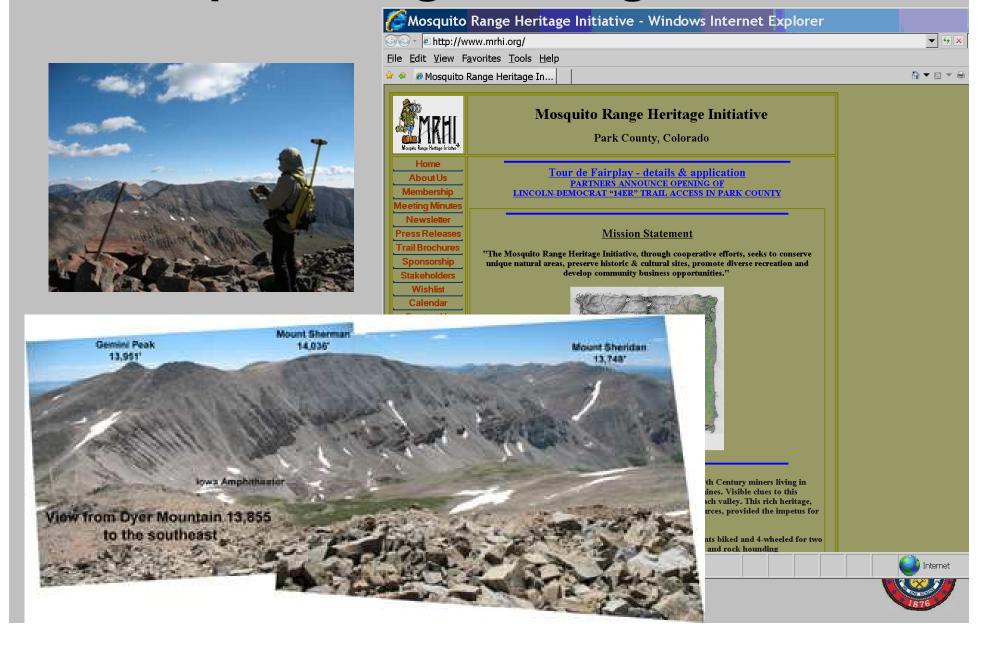


Colorado Northwestern Community College Map Server Rio Blanco and Moffat Co's





Mosquito Range Heritage Initiative

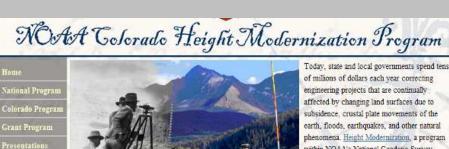


Height Modernization NOAA

Access to <u>accurate</u>, reliable heights nationally
Standards that are <u>consistent</u> across the nation

Data, technology, and tools that yield consistent results regardless of terrain and circumstances

A system/process that will stand the text of time — "Maintainable"



MISSION: To facilitate the National Height Modernization Program in the state of Colorado. Today, state and local governments spend tens of millions of dollars each year correcting engineering projects that are continually affected by changing land surfaces due to subsidence, crustal plate movements of the earth, floods, earthquakes, and other natural phenomena. Height Modernization, a program within NOAA's National Geodetic Survey (NGS), can help resolve this problem by providing accurate height information through integrating Global Positioning System (GPS) technology with existing surveying methods such as loveling and gravity measurements. Participating states, including Colorado, are implementing the National Height Modernization Program nationwiste.

This link will take you to our Colorado Height Modernization Brochur

The images below link to external sites that will open in a new window



GPS

The traditional use of GPS for project control can be supplemented with Height Modemization standards, specifications, and techniques to enable surveyors to utilize GPS to efficiently establish heights for all types of positioning and navigational needs.



those Compliments of Hixon Meaufacturing

Leveling

Historically, leveling has been used for establishing heights for surveying and mapping applications. Leveling is time consuming and is the traditional means of establishing heights for projects. Leveling is continuously performed through the same benchmarks over and over with no efficient means of capturing the data for use in supplementing the national control



Gravity

Gravity affects the accuracy of heights denved from leveling and other methods of determining elevations for projects. Gravity measurements are seldom used in determining height measurements for everyday applications. There is a national program to help surveyors understand more about integrating gravity measurements into height solutions.

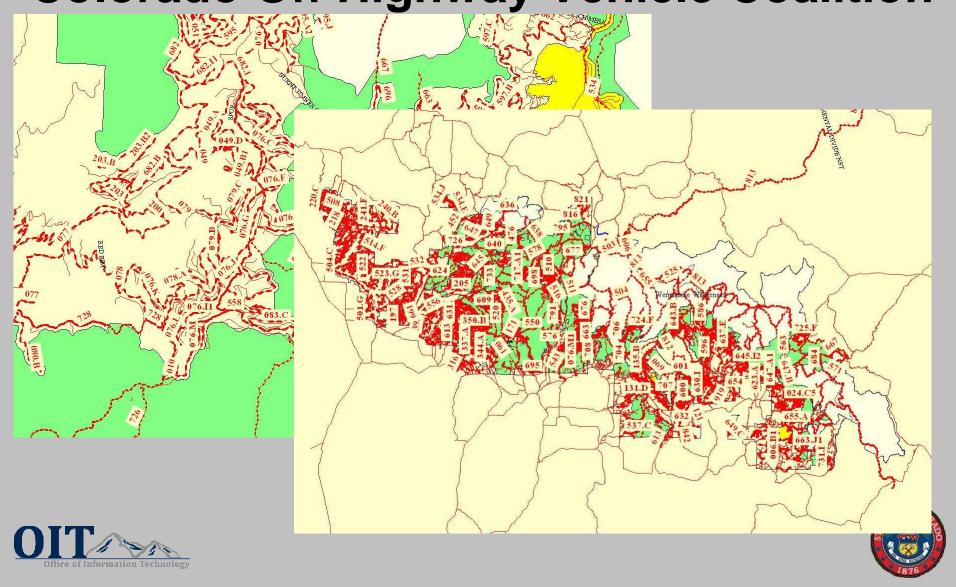






www.coloradoheightmod.com

Policy/Planning Analysis Colorado Off Highway Vehicle Coalition



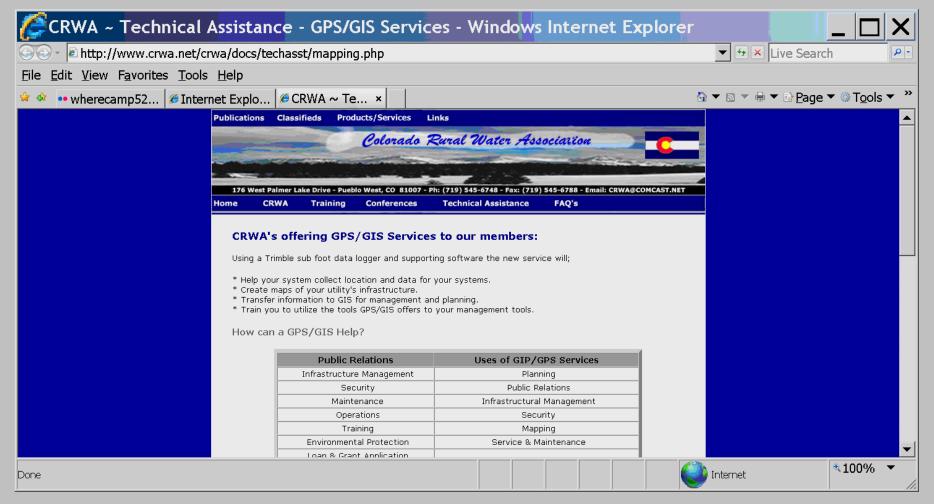
Where Camp The "Unconference"







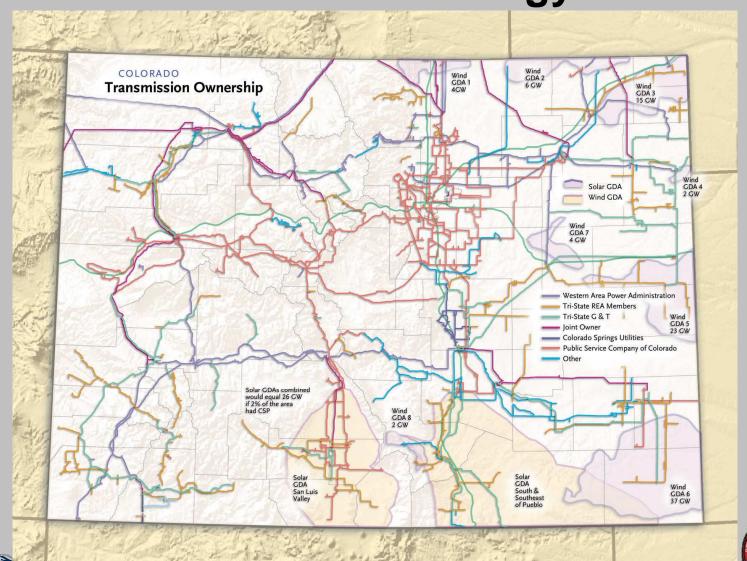
Colorado Rural Water Assn





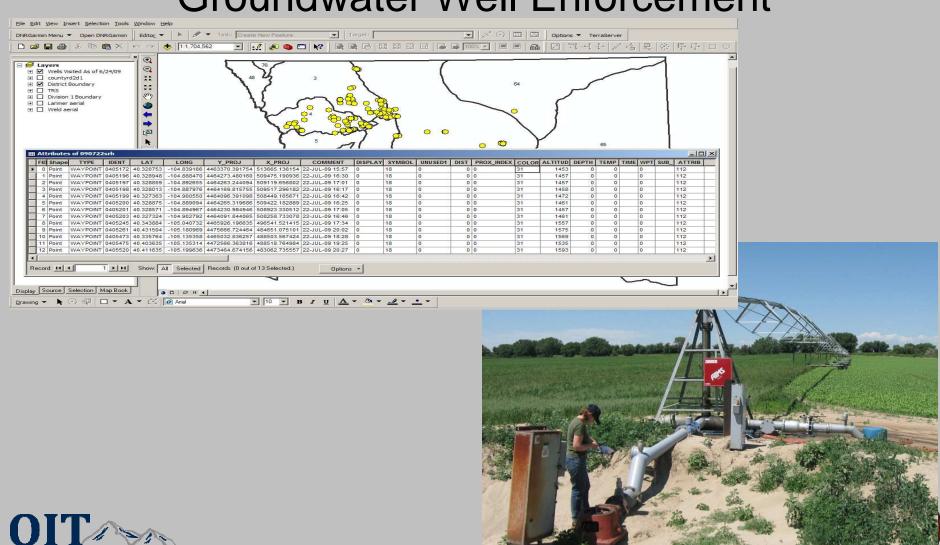


Transmission Studies for Renewable Energy Colorado Governor's Energy Office



CO Dept. of Natural Resources

Div. of Water ResourcesGroundwater Well Enforcement



CO Geographic Alliance



Colorado Geographic Alliance

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▶ Join COGA

- ▶ What Geographers Do
- News and Events

Special Event: National Geographic's GIANT MAP in Colorado Springs

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- Resources
- National Geographic Society
- ► Curriculum
- Ideas and Opportunities
- ► COGA History
- UCCS Geography and Environmental Studies
- Contact COGA

The Colorado Geographic Alliance is funded by a grant from the National Geographic Society Education Foundation and the Colorado Geography Education Fund NEW OPPORTUNITY FUNDED BY NATIONAL GEOGRAPHIC learn about DC Summit - meet National Geographic explorers, editors, and leaders and help shape the 2010 DC Summit program

Geoliteracy Workshop in Pueblo for Elementary Teachers -September 12, 2009

GeoTechnology Workshop in Fort Collins for Elementary and Secondary Teachers - October 3, 2009

COGA Summer 2009 Newsletter

National Geographic Giant Traveling Map Coming to Colorado Springs - September 10 - 25, 2009

Interactive Workshop on Spatial Technologies for Career and Technical Education - September 11, 2009

Geography Awareness Week - November 15-21, 2009

COGA 2009 Summer Institute Photos

Coordinator Steve Jennings' COGA Presentation to GIS Colorado Sign Up for the 2009-2010 Geography Bee Competition 2008 COGA Survey Results

This is what geographers do: In this paper from the Journal for the Study of Food and Society, Air Force Academy Professor Terrence Haverluck looks at how Pueblo, Colorado has incorporated the chile pepper as its official symbol in an attempt to recreate its identity.

COGA seeks:

- To equip educators with solid geographic content knowledge, skills, and an awareness of the uses of the geographic perspective.
- To provide opportunities for educators to develop effective skills for geography instruction and the ability to evaluate and access instructional progress.
- To ensure that geography is valued as an important part of the curriculum by State and local governments, school districts, employers, and citizens.









GIS Programs/Classes CO State University site

